



DoD/VA Clinical Data Repository/Health Data Repository Project

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Draft



CHDR Topics

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- What it is
 - How it works
 - Current status
 - Challenges
 - Next steps



Path to Interoperability

FHIE

Federal
Health
Informatio
n
Exchange

BHIE

Bidirection
al Health
Informatio
n
Exchange

CHDR

Clinical
Data
Repository
/ Health
Data
Repository

*Interoperabl
e Electronic
Health
Records*



Clinical Data Repository/Health Data Repository (CHDR)

Supports interoperability between
DoD's Clinical Data Repository (CDR) &
VA's Health Data Repository (HDR)



*Two-way,
Enterprise exchange,
Computable data*



CHDR Functionality

- Establishes interoperability between DoD's CDR of AHLTA and VA's HDR of VistA
- Supports the first exchange of interoperable and computable outpatient pharmacy and medication allergy data between the Departments in a live patient care environment
 - Standardized, computable data supports drug-drug and drug-allergy checks using data from both DoD and VA
- Providers from either agency can view a combined medication and allergy list without having to access a separate application



CHDR - How Does it Work?

- When a shared beneficiary appears for healthcare services for the first time at either agency, the Active Dual Consumer (ADC) flag is activated, medication and drug allergy data is exchanged between the repositories
- When a new medication or drug allergy is recorded by a provider in either agency, the new data is sent to the other agency repository



DoD CHDR Web Manager Application - Log in

Please enter your username and password.

Username:

Password:

Log In

User logs in with
AHLTA
User Id
and
Password



DoD CHDR Web Manager Application - Patient Search



ADC Status - Manage Patients - CHDR v0.1.0 - Microsoft Internet Explorer provided by AT&T WorldNet Service

File Edit View Favorites Tools Help

Back Home Search Favorites Media

Address https://dev1cha1:8888/chdr/adc/beginSearchApp.jsp Go

CHDR Manager Application

GLOBAL INFORMATION for QUALITY CARE

Home > Patient ADC Status

Last Name:
First Name:
Date of Birth:
Social Security Number: (no dashes)

User enters patient search criteria

Done Local intranet



DoD CHDR Web Manager Application - Patient Activation

System Status - CHDR v0.1.0 - Microsoft Internet Explorer provided by AT&T WorldNet Service

File Edit View Favorites Tools Help

Back Search Favorites Media

Address https://dev1cha1:8888/chdr/adc/displayPatient.jsp?patientId=4200000532 Go

AHLTA GLOBAL INFORMATION for QUALITY CARE CHDR Manager Application

Home > Patient ADC Status > Status

Name: MANADC CHDRKCCAAD
Social Security Number: 666010004
Date of Birth: January 14, 1955
Sex: F

ADC Status: Active

Street Address:
Home Phone:

DEERS ID: 4200000532
VA Identifier: 1011007318V882964
Patient Category: K53
Primary Care Manager:

[View sync status](#)

[Change Status to Inactive](#)

User can activate or inactivate the patient ADC status

Done Local intranet

System returns a match, if one is found



DoD AHLTA Medication List with VA Data

VADER, TW: Military Clinical Desktop - Meds (Privacy Act of 1974/FOUO)

GRISCOM, MISS Q 20/066-11-2345 30yo F DOB:09 Jun 1975

DoD/VA ADC Status Indicator

The medication list should be validated with patients for their safety.

Origin Column Indicates Source of Data (i.e. VA, DoD, Other [PDTS])

Color Indicates Source (Lt Blue = VA, Yellow=PDTS)

Column Name Changed to Facility/CHCS Host ("Not Available" from PDTS)

Origin, Facility and Dispensing Location Detail

Medication Name	Sig	Refills	Status	OTC	Last Filled Date	Ordering Provider	Order Start Date	Order Expiration Date	Facility/CHCS Host
DoD LISINOPRIL 20MG, TABLET, ORAL	T1 TAB PO QD #90 RF3	3 of 3	Active	06 Oct 2005	GBTESTER, G	06 Oct 2005	06 Oct 2006		NMC Portsmouth
DoD THIAMINE HCL 50MG, TABLET, ORAL	T10	2 of 3	Active	23 Sep 2005	DOCTOR, CHEWBACCA	23 Sep 2005	23 Sep 2006		NMC Portsmouth
DoD SPIRONOLACTONE, 25MG, TABLET, ORAL	#30 RF0	NR	Expired	31 Aug 2005	GBTESTER, G	30 Aug 2005	29 Sep 2005		NMC Portsmouth
DoD Cimetidine 200MG, TABLET, ORAL	TID #30 RF1	1 of 1	Active	25 Aug 2005	GBTESTER, G	25 Aug 2005	25 Aug 2006		NMC Portsmouth
VA RETIN-A (TRETINOIN 0.025%, CREAM(GM), AAA UD #1 RF1		1 of 1	Expired			26 Feb 2001	26 Feb 2002		T3m & Mission Dom
VA TIAZAC (DILTIAZEM HCL 120MG, CAPSULE SA, DE	TIO #30 UD RF1	1 of 1	Active			10 Aug 2005	10 Aug 2006		VA Pacific Islands HCS
VA TIAZAC (DILTIAZEM HCL) 120MG, CAPSULE	TIO #30 UD RF1	1 of 1	Expired			10 Aug 2005	07 Sep 2005		T3m & Mission Dom
Other BUPIROFEN (BUPIROFEN) 100MG/5ML ORAL SUS		3 of 3	Active			AA2544458	23 Aug 2005	Not Recorded	Not Available
VA FISH OIL (OMEGA-3 FATTY ACIDS), CAPSULE, ORAL TID #30 UD RF1		1 of 1	Active			GRISCOM, SHARON M	31 Aug 2005	30 Aug 2006	VA Pacific Islands HCS
Other BUPIROFEN (BUPIROFEN) 100MG/5ML ORAL SUS		3 of 3	Active			AA2544458	08 Sep 2005	Not Recorded	Not Available
VA VITAMIN A (VITAMIN AL 25000 UNIT), CAPSULE, ORL	TID #30 UD RF1	1 of 1	Active			GRISCOM, SHARON M	31 Aug 2006	30 Aug 2007	VA Pacific Islands HCS

OTC is an over-the-counter drug.

Allergies:

Age: Details

LMP: Not Recorded Pregnant: No

Medication: Medication Name: BUPIROFEN (BUPIROFEN) 100MG/5ML ORAL SUSP, ORAL, ALPHARMA US, 473 mL BOTTLE NDC: 00473-1270-16

Sig: Quantity: 120.0 Refills: 3 Status: Active Order Number: 15177971:1148394:2005-09-08:254944

Refills Remaining: 3 Order Start Date: 08 Sep 2005@2000

Days of Supply: 4 Order Expiration Date: Not Recorded Comment:

Origin: PDTS Last Filled Date: Not Recorded

Facility/CHCS Host: Not Available Event Date: Not Recorded

Dispensing Location: WALGREEN DRUG STORE #05580 Ordering Provider: AA2544458

Resenders: 1 Hour Glucose Tolerance Test (GTT)
Amblyopia & Vision Screen
Anemia Screen
Anti-Tobacco Counseling

Start Inbox - Microsoft RE: Request for RE: Request for CHDR II - Assign... vitapnews.com VADER, TW: Mi... Microsoft PowerP... Shortcuts 11:23 AM



DoD AHLTA Allergy List with VA Data

VADER, TW: Military Clinical Desktop - Allergy (Privacy Act of 1974/FOUO)

GRISCOM, MISS Q 20/066-11-2345 30yo F DOB:09 Jun 1975

Color Indicates Source (Lt Blue = VA, White=DoD)

No known allergies Verified This Encounter

Allergen	Reaction	Onset Date	Info Source	Entered By	Comments	Origin	Facility/CHCS Host
Cephalosporins	Rash	06 Oct 2005	Patient	GBTESTER, G		DOD	NMC Portsmouth
SODIUM CHLORIDE	Other: SPIN-022IE	15 Jul 2005	Unknown Source of Info	BORST, SCOTT E	Scott's Test 09/02/2005	VA	13th & Mission Dom
SODIUM NITRATE	Other: SPIN-022IE	15 Jul 2005	Unknown Source of Info	BORST, SCOTT E	Scott's Test 09/02/2005	VA	13th & Mission Dom
Sulta-Drugs	Urticaria	06 Oct 2005	Patient	GBTESTER, G	Two and three equals five	DOD	NMC Portsmouth

DoD/VA ADC Status Indicator

Column/Field Name Changed to Facility/CHCS Host

Origin Column/Field Indicates Source of Data

Allergen: Cephalosporins
Onset Date: 06 Oct 2005
Reactions: Rash
Info Source: Patient
Comments:
Entered By: GBTESTER, G
Facility/CHCS Host: NMC Portsmouth
Origin: DOD

Reminders

1 Hour Glucose Tolerance Test (GTT)
Amblyopia & Vision Screen
Anemia Screen
Anti-Tobacco Counseling

Start Inbox - Microsoft Out... CHDR II - Assigned t... wtopnews.com - Mic... VADER, TW: Military ... Microsoft PowerPoint ... Shortcuts 11:20 AM

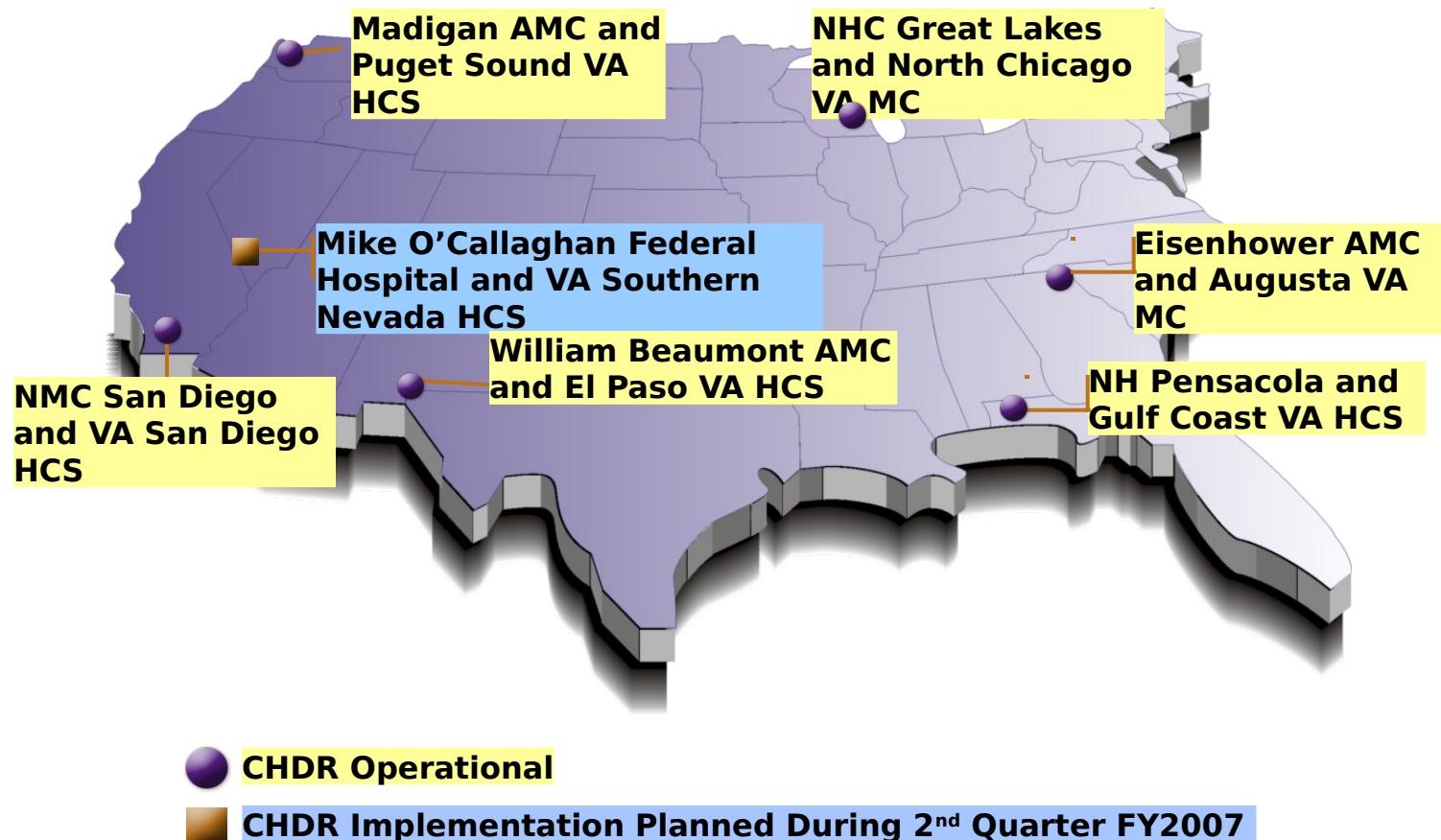


CHDR Status

- In September 2006, the agencies successfully completed testing and received Government acceptance
- DoD began deployment and VA continued field testing CHDR at 2 sites in the 1st Quarter FY 2007 and 3 sites in the 2nd Quarter FY 2007
- Current number of Active Dual Consumer (ADC) patients is 3,770 (as of January 31, 2007)
- DoD and VA continue to improve mediation success rates for pharmacy and allergy data



CHDR Operational Sites





CHDR Challenges

- Information technology differences between disparate systems
- Lack and immaturity of clinical terminology data standards
- Data translation and terminology mapping
 - Continuous clinical data quality review process is labor intensive
- Patient matching and ADC activation
 - Patient naming conventions and aliases (e.g. Bob vs. Robert)
 - DoD Electronic Data Interchange Person Number Identifier (EDI_PN_ID)



CHDR Next Steps

- Las Vegas area to become operational in March 2007
- DoD to distribute instructions for setting ADC status for all sites in 3rd Quarter FY 2007
- VA to continue field testing and implementation in coordination with Remote Data Interoperability deployment
- Laboratory domain (chemistry and hematology) terminology translation, data standardization and mapping work
- Continue to evaluate the need for computable vs. readable data



Discussion and Questions